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SEQUENCE LISTING

Choong-Chin

<120> Method for the Detection of Asthma Related Gene Transcripts in Blood

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<141> 2004-04-01

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<151> 2004-03-12

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<151> 2004-3-30

<150> US 10/601,518

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<151> 2002-10-09

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<151> 2002-02-28

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<151> 2000-01-04

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<151> 2001-02-28

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<151> 2001-07-13

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<151> 1999-01-06

<160> 112

<170> PatentIn version 3.2

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tttttttaaa angcctaaga canggtttc ctttcataatg ccaaactttc cctaacattt 240
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| cccccccaat | ggtggggaa | ananaactgg | actttntttg | ggagnccnga | atttgctctt | 780 |
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| | tgggaatccc | aggcaaggtg | gccttaggg | caaggagttc | ggaacctccc | tgctaacagg | 180 |
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 ggaattcctg tctcaatatg caatctgcca agaaaacact gtgatggttt cctgtaaagt 540
 aaccctctt tcttatctct aatttcacaa gactctaaa tgagaggggg gggagaaagn 600
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SEQLST~1.TXT

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| caaataaaaca aaaacttcca atctccattt aaaat | 155 |

<210> 13
 <211> 125
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| | |
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| <400> 13 aataaaacaaa catgccctct aatatatgaa ttcatcacac aacacgcaca ctgtccccac | 60 |
| aaacaccttt ttgggtgtcaa gaagaaaaag actagcttca ctgaacagag aaatgctgga | 120 |
| cagtg | 125 |

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<223> n is a, c, g, or t

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gggttcccg gggAACCCaa cccttaagg ggtngggggg aatttcccc caaaaaaagg 120
aaaaaanttt tccggggggc ccacccggga agggntnccg ggaaaggg 168

<210> 15
<211> 438
<212> DNA
<213> Human

<400> 15
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ggaacaaatt tggatagaa atataaggct gggattacag gcatgagcca ccaagcccg 120
cccacatttc cattttaat atatactgtg ctttacaat attataatat gtttaaaat 180
atgttcacag aagcacctgg tctgtaatg gcatgccagc attaaaaaaaaa ataagcattc 240
tttgaatata tattagttt ttatgtgg tagaaaaatc aaagccagag ggagttagaaa 300
caaaatttgt gattttctaa atacttctt gctgcagggg agaaaccacg tcccaggcga 360
agtccctacct aatttgcata taaaattaca tggaaggat tcttgttggc atgaggacct 420
accaagatgg tcaacaga 438

<210> 16
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SEQLST~1.TXT

<222> (15)..(15)
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 ctttaaggnt tggggaaatt ccccaaaaa aggaaaaat tttcccgggg gcccacccgg 120
 aaagggggaa ggcccccaaa accggggggg gggnaaaaag gtgggttcc cccttttcc 180
 aattcccaaa accaatttcc aaaaggnaaa ccaaccnttc ccaaaatggg aaagg 235

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SEQLST~1.TXT

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gggggnccaa accggnaaag gntttggaa aaccaaattt tttttggnc caacccccc 120
caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc 180
aaggggggaa aatttttccg ggggtgggtt gggggaacca atttaagggg ggggcccccg 240
gggggggtcc ctttggccn ttttcctt tgggtnaaaa aaaaaaaccc cttg 294

SEQLST~1.TXT

<210> 18
<211> 453
<212> DNA
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<400> 18
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aagtttaatc cctgggttct aactaccctt actgtcactt agcttaacct gcctccaatc 120
ctgtacttga actctaaaac tggggagaa actcagtgt taccccaaca gattcattc 180
aaatagctgt aaaaggtatg tttactccag aagaccagag ttgcttctt tgaacttctc 240
attccttggg cctaggaacc ctcatcaccc tcacccaaac gtcaacccag atcttctctt 300
ccataaacag cactccctca ggccttgcc tgacacaggc atagactgtc atgttggatt 360
cacagacagg ctgtgctaga ggaaacctct ggggctcacc aggggccgtg ggatgggctt 420
ctggggcttc ttggagccca acttcttcat ggc 453

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<211> 242
<212> DNA
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SEQLST~1.TXT

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<223> n is a, c, g, or t

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cggcccccgc cccgggnagcc cttcccccgc ttttcccccg ggggggnccc gggggggacc 120
tttaggcggc accccaacaa caccaggccc tacttttcc aaggncgggg aagcccatgg 180
gttctggna acgggcaatg cgggcttgca acgggnggaa naaaaacagn cccaaaagaa 240
tg 242

<210> 20
<211> 181
<212> DNA
<213> Human

<400> 20
gttgggggt tttttagatg aatctcaactc tgtcgcccag gctggaaatgc agtgggtgtga 60
tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggagggt 120
gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct 180
c 181

<210> 21
<211> 100
<212> DNA
<213> Human

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SEQLST~1.TXT

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<223> n is a, c, g, or t

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tnccccnccn nttnanacna aanntngcac tcttggntgc 100

<210> 22
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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SEQLST~1.TXT

<223> n is a, c, g, or t

<400> 22

cntgcgccat ttactgnagg tggacaagga tactatnaac aaagatgtgg cnnaangaga 60
ataatggaag atagctntga ggatnaacnc tggtnaggg 100

<210> 23

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tttggctg cngccctgt gcctggtgcc acaacaaatg 100

<210> 24

<211> 227

<212> DNA

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 <223> n is a, c, g, or t

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 cggaaggcc nttggggaaa aaaccaangg ncaaaccccc ccaaccacnc ggcccccccc 120

SEQLST~1.TXT

| | | | | | | |
|--------------------------|------------|-------------|------------|------------|------------|-----|
| aaggggggtg | gggaagagcc | aaatttcttt | ggaaaanaac | gcccccttgg | ggaaaanaag | 180 |
| gccaaccacc | tttcaacanc | ccccaaangcg | nggaagccat | ttcttgg | | 227 |
| <210> 25 | | | | | | |
| <211> 306 | | | | | | |
| <212> DNA | | | | | | |
| <213> Human | | | | | | |
| <400> 25 | | | | | | |
| tccaaaagta | gagcagaggg | atattttgtt | ctactgagcc | acgaaaaaca | cctgaattgt | 60 |
| ttcgaccatg | tgcctccca | ggttgatgaa | gacattgcta | cacagtctgc | agatcaggaa | 120 |
| ggaagaattg | tatgtgggag | tttttaatgg | tctcatttca | ttggctataa | ctcagttaca | 180 |
| aggagaaaata | taactgcaga | ggagcttga | aaatttagtt | cagctgaggg | taaaggaaga | 240 |
| agagacaaat | tttgtcatca | gctagtgatc | tgccatacaa | ggtgtccct | taatatgtgt | 300 |
| agaatg | | | | | | 306 |
| <210> 26 | | | | | | |
| <211> 492 | | | | | | |
| <212> DNA | | | | | | |
| <213> Human | | | | | | |
| <220> | | | | | | |
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| <223> n is a, c, g, or t | | | | | | |
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| <223> n is a, c, g, or t | | | | | | |
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| <223> n is a, c, g, or t | | | | | | |
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| <223> n is a, c, g, or t | | | | | | |
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| <223> n is a, c, g, or t | | | | | | |
| <220> | | | | | | |
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| <222> (474)..(474) | | | | | | |
| <223> n is a, c, g, or t | | | | | | |
| <220> | | | | | | |
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| <222> (479)..(479) | | | | | | |

SEQLST~1.TXT

<223> n is a, c, g, or t

<400> 26

| | | | |
|-----------------------|----------------------------------|------------|-----|
| cggttcggg ccaagcgaaa | ccagagttt ccgaactgct gagcaagtcc | gctattctcc | 60 |
| agatcgccaa gcccggcg | ggcgaccacc acgatgtccc agcctgtcag | gttgcctgaa | 120 |
| ttgaggcgaa aggactcgcg | gatttgcgc ttgatgcggt tgcgctcgac | ggcgagctt | 180 |
| acgcttttt tgccgatcac | caaacctagg cggggatgat caagctggtt | atcgcgcgct | 240 |
| agcagcagga cactttgcc | cgggagctt accgcttggg gagtcgaaga | ctgccttgn | 300 |
| ttgccccggg gtcagcagtc | gcttttccc ggnngaagcc tcgaactcac | cancctgtct | 360 |
| ggattaatta gacagcaaga | cgcttgcggc cccttggcg cgaacgaacn | ncgaaaagga | 420 |
| cttgcggc ccgtttctt | ggggggccaa taccggggcn cggggaaaac | ccgngggng | 480 |
| gccaaccccc cc | | | 492 |

<210> 27

<211> 500

<212> DNA

<213> Human

<220>

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<223> n is a, c, g, or t

<220>

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<222> (422)..(422)

<223> n is a, c, g, or t

<220>

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<223> n is a, c, g, or t

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<220>

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<222> (490)..(490)

<223> n is a, c, g, or t

<400> 27

| | | | |
|-----------------------|----------------------------------|------------|-----|
| cgaagcgatg gaagcgcaag | cttggtaggg gagcattccc acggcagaga | aggtcggcg | 60 |
| acgagccggg ctggagcggt | gggaaaagca aatgttaggca | taagtaacga | 120 |
| gagaaccccg cacaccgaaa | ggctaaggat tcctccgcta | tgtcaatcaa | 180 |
| gtcgggtact aaggcgtag | cgaaggcgaa | gcccgcgtgt | 240 |
| cacttgccat gcgtgtgaat | ccatgacgga | gacgaagccg | 300 |

SEQLST~1.TXT

| | | | | | | |
|------------|--------------------|------------|-------------|-------------|------------|-----|
| tgggcgccag | cagggcggc | cttcggcca | aaccgaacct | caggtcanac | ttccaagaaa | 360 |
| agtgggtgaa | acgccagcgc | atggcaaccc | gtaccgaaa | ccgacacagg | tagccgggg | 420 |
| anaacatcct | aaggngctcg | agagtacttt | ctagagcggc | cgcgggcccc | atcganttt | 480 |
| ccacccgggn | ggggtaccag | | | | | 500 |
| | | | | | | |
| <210> | 28 | | | | | |
| <211> | 231 | | | | | |
| <212> | DNA | | | | | |
| <213> | Human | | | | | |
| | | | | | | |
| <220> | | | | | | |
| <221> | misc_feature | | | | | |
| <222> | (18)..(18) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
| | | | | | | |
| <220> | | | | | | |
| <221> | misc_feature | | | | | |
| <222> | (47)..(47) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
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| <220> | | | | | | |
| <221> | misc_feature | | | | | |
| <222> | (59)..(59) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
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| <220> | | | | | | |
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| <222> | (74)..(74) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
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| <222> | (138)..(138) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
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| <221> | misc_feature | | | | | |
| <222> | (174)..(174) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
| | | | | | | |
| <220> | | | | | | |
| <221> | misc_feature | | | | | |
| <222> | (176)..(176) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
| | | | | | | |
| <220> | | | | | | |
| <221> | misc_feature | | | | | |
| <222> | (211)..(211) | | | | | |
| <223> | n is a, c, g, or t | | | | | |
| | | | | | | |
| <400> | 28 | | | | | |
| aagaaattcc | gggcacgnag | gcacgcccct | ggttaattccc | caggcgnact | tctggggang | 60 |
| gctggaaggc | ttgnagggca | gaaaaggat | ccgccttgg | gaggaacccca | ggtaaggttt | 120 |
| aagaaggaac | ccaccctngg | ggccaaacaa | aaacttaaaa | accccccatt | ttcncncccc | 180 |

<210> 29
 <211> 109
 <212> DNA
 <213> Human

<220>
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 <222> (1)..(2)
 <223> n is a, c, g, or t

<220>
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ctcagactgc aaantgtnat nctgnnnan nntgnngact gtccngncng atttnnnngcn 120

tgnaatacta ttgcctctta tatacacnac caannntgcg aagggnann nnacctttnc 180

SEQLST~1.TXT

| | |
|--|-----|
| canntnnctg gggncacn nnnngaact gagagtggat cttgttacc tgacnnacca | 240 |
| gntntnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga | 300 |
| ccngnctatc tcactganga tgattgncag ngccnntggg tggcacnang ggnactgatg | 360 |
| ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat | 420 |
| aggttaccnc cttcnaccgg gcanaatct gcttctatgg tgaatgcaga ccatntagaa | 480 |
| ntctntcnct ataggcatga ttttnncag tgcgtcagcc ttganaanga ancnnacttt | 540 |
| tgnntagatga nnngntgctc ncccttnggg ctnacaaatt ccancaccnt tggtggcngc | 600 |
| agccnntaag ancactntt ttgggttgcg ctnttggatg aattacnaat agnntgtttt | 660 |
| gtncaaggc cttctgcna aatatgaana aaagngcnct tagcttttg nggaaactgn | 720 |
| actggaaatt ttg | 733 |

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 <223> n is a, c, g, or t

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 caagtacgcn agcnctgaan ctaaagcaag caagaaaaag 100

<210> 54
 <211> 515
 <212> DNA
 <213> Human

<400> 54
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 agagccaagc taaacccccc ataccgacga gtaccagaac aggttaagcac cccgtctatg 120
 tagatatggg aagattatag gaggcgacaa ctaccgagcc tggtgatagc tggtgtccaa 180
 gaagagtctt agttcattta tttggccag aaccctctaa tcccttgta atttatgtca 240
 agaggaacag ctcttggac actggaaaac cgtgagagag taagatttac acccttaggg 300
 gcctaatacg agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360
 tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420
 ataagtaacc tgaaaacatt ctcccttgca taagccctgc gttggattat atcctgcact 480
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<210> 55
 <211> 176
 <212> DNA
 <213> Human

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 cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagaggg 120
 agcctgcctt cattagacca agacagcaag gtttnccctg gtcactagat gaaatt 176

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 <211> 317
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<220>
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 <222> (4)..(4)
 <223> n is a, c, g, or t

<400> 56
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 ggatttgggg ttttagaggtt caattgcctt tttatggta gagaaaggtc ctggggctgg 180
 agggagcctg acgatctgct ctgtgtcaa ggggagagtt aactctgcac gcaagagcct 240
 gcttaaaggc ctgtgtcagt tctattgtaa acaccaactt aaagtgggtgg atgctggcag 300
 acattgttat tgccatt 317

<210> 57

SEQLST~1.TXT

<211> 209
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 <213> Human

<400> 57
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 ctggactgga cactgtatac ccacatgcaa gatgaagttg gcccttaca tcctatacgc 120
 aggagaattt cgtcatttaa agcctgttga cgctttctc ccgcagacga atggaaagat 180
 taattggag tggggctga aacaattcg 209

<210> 58
 <211> 262
 <212> DNA
 <213> Human

<400> 58
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 acctggtcac cgagttgcga accagcctcc aatatgttga accctgtact ctctaaaaat 120
 caaatcaccg gcatggagat tgcgcctgtg gtcccaaaat actcgggctg ggacacgatg 180
 agttgttgg cccaaggaag gaggttta tggctgatca cactggtccg cctgggtgac 240
 agagcgagac tccatctcta at 262

<210> 59
 <211> 430
 <212> DNA
 <213> Human

<400> 59
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 aaacctttat tgtttacag gggggacta gcgcgggct gaataaaacc tttggccctt 120
 cccggggag ggttatccgg tttataaacc ccaagggtat tttcttagca aaatacttaa 180
 aaccggccgg gtttttata caaactggaa acccacttt gaaaaatttt ggcctttga 240
 tctggatgg gaatatgagt tttatacat ttcattttct ttttggcaa aggccgggtt 300
 aagtattccc cccccggggg cctttacaaa aaggcggtt taaaagctt ttgggcccc 360
 ctagggatt gtttaacac ctaaaaaccc ctgcttcct taaaggggcg ttcttaatt 420
 tggggcgcc 430

<210> 60
 <211> 350
 <212> DNA
 <213> Human

<400> 60
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 atcctactag cttggaggat ttgaaccgat tatgaatacg caatactccc ggtcctcatg 120

SEQLST~1.TXT

| | |
|---|-----|
| tatcatgtgt aagcccatct cctgggaggg ctaacatact accatctcca aggagaggca | 180 |
| tgattccgaa tcacccacag acagctcgat caccatacgt atcacccaac atatataacct | 240 |
| tctaaagactt gctagaaaca accaccacat ttgatgctta atcaccactc tgacgcgcatt | 300 |
| taaagtgagg ggactctcct aatttctgta agttgattt tgcattctga | 350 |
| | |
| <210> 61 | |
| <211> 515 | |
| <212> DNA | |
| <213> Human | |
| | |
| <400> 61 | |
| cacataaaatt ctccataagt taatttagtga ttttaacatg atctcaatat aaacatagca | 60 |
| cactttcttt gagaattcaa catattgcaa gttaaaattt tcatacgacta cacaagaaag | 120 |
| aataatcagg caaatcctta agaataaggg caattaagga tgactagccc tacaagattt | 180 |
| taaaaaggat tcattagttt aaaaaatgtg atgtagatac atgaataaaaa taaaatcttg | 240 |
| aagtagatcc aaatatacat ggtcagattt aatacaataa agatggcatc gtagcagtgg | 300 |
| agaaaaagaag aattatttca taaaccttgc tggaatggct aggcaatcat ctggaaaaaa | 360 |
| atgaagttga ataataaaaa tatattctac actagcacaa attataaata aagcagtgtat | 420 |
| ttaaatgaga aaaattaaat cataatgatt tcaaagataa cataggataa tttctttata | 480 |
| gtcttctaaa atatatgact ttatgaattc tgact | 515 |
| | |
| <210> 62 | |
| <211> 611 | |
| <212> DNA | |
| <213> Human | |
| | |
| <400> 62 | |
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| aagactttgg ttttataaaat aaggaggtat atataaatta tatataatttc tgagctgagt | 120 |
| aataatccac cagatacaag tttgcataa cttctgtgaa atatttttt tcctttttgt | 180 |
| tgggcatttt tatggtctaa atatagaatg accaatgcct cttagaacaaa cttgacctgg | 240 |
| tcagtgttat caagaagcag actgtttctt actttcttg tatttcctta cttatTTaaa | 300 |
| tttgtaaaa ttgatataatt gatataaaa acttcttttgc cagtggttgg tggcacacgc | 360 |
| ctttaatccc agcacttagg aggcagaggc agggtggatt tctgaatttg agggcaggct | 420 |
| agtctacaga gcaagttcca ggtcagccaa ggctatatat agaaactctg gcatgaaaaaa | 480 |
| ccaaaccaaac caaaccaaac caaaccagac cagaccagac cagaccagac caaaccaaac | 540 |
| caaaccagac taaaccaaac caaaccagac cagaccagac cagaccagac cagaccagac | 600 |
| cagaccaaac t | 611 |

SEQLST~1.TXT

<210> 63
<211> 291
<212> DNA
<213> Human

<400> 63
ccgagagatt ggccactgct taaactcatg cagctcctac tttcttcaa ttaatgcctt 60
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gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgccc 180
ggacatagga caacttcgtc gctcactagt tctaacatata taatgctggc gtaggtggag 240
aactactgca cataactct tactcggagg ctgaggcacg aggatcactt g 291

<210> 64
<211> 309
<212> DNA
<213> Human

<400> 64
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cattatcacc tctcaactctc gcgtgttacc taactctccc tcgcaggga aatcaactcca 120
tatatttcaa atgtcttgct aacagtggtt actttgctct atccttagct atacgtctcg 180
aggcacattt ttcctctatg ccccgctacg ctttgccta gagctcggcg gtatctatat 240
cttaactgcc ctcttgatcc ttacgtgccg gagaagggtgg aggcagaaat tttgtcaaat 300
ctgattaga 309

<210> 65
<211> 278
<212> DNA
<213> Human

<400> 65
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agggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa 180
tggactcaaa aggaatggaa tggaatggac tcaaattggaa tggactcgaa ttgaatgaaa 240
tggataatggaa tagactcgaa tggaatggaa cgaaattt 278

<210> 66
<211> 142
<212> DNA
<213> Human

<400> 66
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tttttttaac ttaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa 120

SEQLST~1.TXT

atagctagta aactccccct gt 142

<210> 67
 <211> 286
 <212> DNA
 <213> Human

<400> 67
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 ccaatcggt tattttgatg acgaatgctt cgagattgg
 aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgt 120
 attattttcc caacaaatttgcattcatag atagaataag ctgactaaga ctacttagcc 180
 ccacatcccc ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
 ccaaagctcca tttccttgaa agcagaagtg taatattact tcttag 286

<210> 68
 <211> 179
 <212> DNA
 <213> Human

<400> 68
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 tagaagtcat tattttatta taaaacatgt ggatttagata ttttcattta tgtgattaaa 120
 ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaat 179

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 <211> 390
 <212> DNA
 <213> Human

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 cttcagtcta agaacgtaaa tccatggaag aattttaaagc aggggtgtgc cttgaccaca 120
 ttttgaattc taaactgtct ctgggtgggt gtgggtgcc 180
 ccaagagcat gtgttcatgt
 agggagactg gtttttaca gttgtctatg agagagatga cagttgcctg gattatggtg 240
 gtgacattgg agataagcag gtagacagat tctcagtgtta ttaggagaga aaaatcaata 300
 gggaaatttaa aataaataat taactgtggc cataggagga aggagtctt gggttngtt 360
 ctcaatttct gcatgagaaa aaaggtggac 390

<210> 70
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<212> DNA
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 <223> n is a, c, g, or t

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 gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
 tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaaatga tgagatgatg 180
 agatgaaatga tgaaatgaaa tggatgatg agatgatgaa atgaaatggt gagatgaaat 240
 gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
 gatgagatga tgaaattgt gaaatgtga gatgtgtga gatgaaatga tgagatgaga 360
 tgagatgaca tgaaataatg aatgaaatt gaaatgagat aagatacgag ctgagatgca 420
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<210> 71
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 <212> DNA
 <213> Human

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 <222> (45)..(45)

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<223> n is a, c, g, or t

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<222> (100)..(100)

<223> n is a, c, g, or t

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<222> (110)..(110)

<223> n is a, c, g, or t

<400> 71

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ngacgcgccc tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc 120

cacag 125

<210> 72

<211> 473

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (151)..(151)

<223> n is a, c, g, or t

<400> 72

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SEQLST~1.TXT

| | | | |
|-----------------------|------------------------|-----------------------|-----|
| atgagatgaa atgttaaaaa | gaaaggagga aatgatgagg | tgagatgaaa tgatgagatg | 120 |
| aatgaatct gagatgaaat | gagatgaaaa ntgatacgaa | aatgatata aaaaatatga | 180 |
| cctgagatga aatgagatga | aaaatgatac gaaaaatgtat | ataaaaaata tgacatgaaa | 240 |
| tgaaatgaga tgatatgaaa | tgacataatg aaatgatgaa | ttgatgatat tgaaatgaaa | 300 |
| ttgaaagatg agatgaaatg | atgagatgaa atgaaatgtt | gaaatgatga agagatgtga | 360 |
| catgaaatga gctgaaatga | gatgaaatga aatgagatta | aatgatgaga tgaaaaatga | 420 |
| tgagatgaaa aatgagatga | gatgatgaga tgagatgaga | tgaattgaga tga | 473 |

<210> 73
<211> 500
<212> DNA
<213> Human

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (233)..(233)
<223> n is a, c, g, or t

| | | |
|--|---|-----|
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| aatgaaatt agatgaaatg taatgagatg | aatgaaatg acctaatgaa atgaaataat | 120 |
| gaaatgagat gaaataaaat aatgaaatga | tgaaataatg aaatgaaaat gagatggaaa | 180 |
| tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga gaaaaatga | 240 | |
| gatgaaatga tgagatgaga tgaaatatga | tgagttgaaa tgacataatg aatgaaatga | 300 |
| tgaaatggaa taatgaaatg gaaatgatga | gctgagatgc aatgagttga aatgagatga | 360 |
| aatgatgaaa tgatgagatg aatgatgaa | atgaaataat gaaatgagat gaaataaaat | 420 |
| aatgaaatga tgaaataatg aatgaaaat | gaaatggaaa tgatgagatg agaagaaatg | 480 |
| atgagatgaa atgatgaaat | | 500 |

<210> 74
<211> 299
<212> DNA
<213> Human

SEQLST~1.TXT

<220>

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<222> (31)..(32)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (57)..(57)

<223> n is a, c, g, or t

<400> 74

| | |
|--|-----|
| gaaaatcctg aagtggaaat gatgagctga nntgcaatga gttgaaatga gatgaancga | 60 |
| tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga | 120 |
| cataaaatga gatgaaatga gatgtaatga tggaaatgaga tgagatgaaa tgagatgaaa | 180 |
| tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg | 240 |
| aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg | 299 |

<210> 75

<211> 155

<212> DNA

<213> Human

<400> 75

| | |
|---|-----|
| agtgaaatga aattgaaata aatcgaaat gagatgagat gaaatgatga gatgatgaaa | 60 |
| taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga | 120 |
| tgagatgaca tgaaataatg aaacgaaatt gaaat | 155 |

<210> 76

<211> 367

<212> DNA

<213> Human

<220>

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<222> (11)..(11)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (35)..(35)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (37)..(38)

<223> n is a, c, g, or t

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<222> (43)..(43)

<223> n is a, c, g, or t

<220>

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SEQLST~1.TXT

<222> (56)..(56)
 <223> n is a, c, g, or t

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 <222> (67)..(67)
 <223> n is a, c, g, or t

<220>
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 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
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 <222> (75)..(75)
 <223> n is a, c, g, or t

<400> 76
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 ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtgcgt gtgatatcac 120
 cgccatgaaa tttctgctcg attagttac gttgtttgga tagaggccaa acaaggctgt 180
 tatcggtagc aggaatggat gttcgatttc gttagatacg cctgagagac ggcgaatact 240
 ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
 aaatatgagg ggtggcaagg tttgcctgt tacattctca aatggaagca aattagat 360
 gtcattt 367

<210> 77
 <211> 257
 <212> DNA
 <213> Human

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 <223> n is a, c, g, or t

<220>
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 <223> n is a, c, g, or t

<400> 77
 actagnacag naatttttagc taagtggagt ttgagtttaag tggagatgtg agaccatctc 60
 atagaaatca ttatttctgt gggatggata attgggccaa attgtaaaat attttaacta 120
 tcagtgtttg gggttttttt ttaaaaagaat agggtgccac cagatgttct ttagtggagg 180
 agaaatgagg ccagagtgac tgcctagaaa attaagttgg taaattaatc actttttct 240
 aggtcccttc ttagtct 257

<210> 78

SEQLST~1.TXT

<211> 373
<212> DNA
<213> Human

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (24)..(24)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (66)..(66)
<223> n is a, c, g, or t

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<222> (83)..(84)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (115)..(115)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

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<222> (146)..(146)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (153)..(153)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (166)..(166)

<223> n is a, c, g, or t

<400> 78

| | |
|---|-----|
| ctttaaaaac ntgttagacn aacnttaaaa nttacccntt ttcctgaact gantcctggg | 60 |
| nntaantaaa aagggtgaag aannttactt cncttgggcc taaaaaacnt tttcntcagt | 120 |
| tattaccaaa atatggac cattantaaa gantagggcc aaccnaatt tttcttgaaa | 180 |
| tttccgttaa atagccgtta aatgtttta cccatttcat attggatacc ttaaattata | 240 |
| ataatggatt ttattgttaa attgtgtgtg tgtggtgtgt atgccctgtc ttttctcctc | 300 |
| taccattatt gtcactttat gtttggacc cccttaccc ttccttaaag gaaaaaaagg | 360 |
| gcccgggggtt ttt | 373 |

<210> 79

<211> 128

<212> DNA

<213> Human

<220>

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<222> (10)..(10)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (20)..(20)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (29)..(30)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (35)..(35)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (49)..(49)

<223> n is a, c, g, or t

SEQLST~1.TXT

<220>
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<222> (92)..(92)
<223> n is a, c, g, or t

<400> 79
tcctagtaan ctggttacn ctgaaagann aagangcctc ccctgttcnc tgaaatacca 60
ccttgatgtt caagtattta agaccctatg cnaatatttt ttaccttttc taataaaacca 120
tgtttgtt 128

<210> 80
<211> 213
<212> DNA
<213> Human

<220>
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<222> (9)..(9)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
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<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
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<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
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<222> (161)..(161)

SEQLST~1.TXT

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (166)..(167)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (171)..(171)

<223> n is a, c, g, or t

<220>

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<222> (180)..(180)

<223> n is a, c, g, or t

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<222> (196)..(196)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (206)..(206)

<223> n is a, c, g, or t

<400> 80

cccatggna cagaccccca aaatgggtac attttttagg aaaccaggac ctttccaagg 60

ggccaggcct tccctttaaa aaaaaatnac cgtttttngg gggangnaac ctttaaaagg 120

ggaaaanaaa tcctttttaa anggaantcc aagggaaagga ncctgnncaa nacttcccn 180

ccaataaaaaa aaaccntttt ggaaangggg aaa 213

<210> 81

<211> 443

<212> DNA

<213> Human

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<221> misc_feature

<222> (22)..(22)

<223> n is a, c, g, or t

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<222> (33)..(34)

<223> n is a, c, g, or t

<220>

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<222> (39)..(39)

<223> n is a, c, g, or t

<400> 81

gaaatgagat gaaaccatga gnatgaaatg aannaatgnc atgcaaatga tgagatgaaa 60

tgatgaaatg agatgagatg agaagaaatg acttgatgag atgagataaa atgatgaaat 120

SEQLST~1.TXT

| | |
|---|-----|
| gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg | 180 |
| aatgagaag aatgagatg aatgatgaa atgatgagat gagatgaaaa atgatggat | 240 |
| gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa | 300 |
| tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa | 360 |
| tgaaatgtt aatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa | 420 |
| atgaaatgaa atgagattaa atg | 443 |

<210> 82
<211> 442
<212> DNA
<213> Human

<220>
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<222> (13)..(13)
<223> n is a, c, g, or t

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<222> (16)..(16)
<223> n is a, c, g, or t

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<222> (33)..(33)
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<222> (46)..(47)
<223> n is a, c, g, or t

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<222> (78)..(78)
<223> n is a, c, g, or t

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<222> (82)..(83)
<223> n is a, c, g, or t

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<222> (121)..(121)
<223> n is a, c, g, or t

<400> 82
tggcccgaaa acntcnaact gccccatcctg ganttttggg ggggannctt taaaaaacct 60
gacctctgaa tgtattantg anncaagtga tagccaagat attttgaaga aaaatagata 120
ntaggaccc gctctataag cccatcataa tttattatga agttataaca agtaaaacag 180
taaggatattt ggcatttggaaat agagaacccca gaaacagacc caatgcatttgg gtacaggata 240

SEQLST~1.TXT

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| taacacaggg | aatgaggga | caatatatgg | ttctgggata | attatttata | tggggaaaat | 300 |
| aaagaaattg | gatccctacc | tcacacatac | aaaaaaaatc | ataattgaat | aaaaaacttg | 360 |
| catgtgaaag | gaaagacttt | aaaacattta | aaaaaagtat | tggaggctat | gatcttgggg | 420 |
| taggaaagca | tttctttttt | tt | | | | 442 |

<210> 83
<211> 135
<212> DNA
<213> Human

<220>
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<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

| | | | | | | | |
|----------|------------|------------|------------|------------|------------|------------|-----|
| <400> 83 | gtctaacnta | aaaagtaaag | aaagtaaagt | aaaggnitga | aggaaggaag | gaaggaagga | 60 |
| | aggagggaaa | agaaagaaag | gaaggaagga | aggaaaagaa | agaaagaaag | gaaggaagga | 120 |
| | aggaaggaag | gaagg | | | | | 135 |

<210> 84
<211> 346
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

| | | | | | | | |
|----------|--------------|------------|-------------|------------|------------|------------|-----|
| <400> 84 | ggaggaggaa | gagtgatgag | ttctctaatt | acttggttgg | attagcctta | gagttatcgg | 60 |
| | gagttgcctt | ctgtaagtgc | ccctactatc | aaggtttcat | ggaaaatcta | ggcaaggcag | 120 |
| | aacttcctca | gaaggacaag | agacaaagaa | gtgggggagg | ccctcctatc | catagctgag | 180 |
| | agggtttatt | ctttgtggtt | ctgctgtcag | agcctttgga | tgtctgatct | gagatggagc | 240 |
| | aaccccccagct | agacagaact | ttgttagattt | tggggggttt | aaaaggcctc | aagcaaattc | 300 |
| | taaaactttc | tttgaacccc | ctggcatagg | ctcagtttcc | ctgact | | 346 |

<210> 85
<211> 100
<212> DNA
<213> Human

SEQLST~1.TXT

<400> 85
 acaaaaaagcc cctttaaact tgggcccgt cgaggtcggt tcgactgggc cgagacttcc 60
 gaaaagaaaa tggtttttt tgccgaaatc aaccgggtaa 100

<210> 86
 <211> 201
 <212> DNA
 <213> Human

<400> 86
 ttcataacat cgtcattttg ggttatgcga aatacaaatt taaatcttg tgaaatgaaa 60
 gaaaagagga agaaacgctt ttaggagtt aaggattaaa gtaaaaatta ttttgacata 120
 attacctctt tttgtgacca ctcttaaagg ccaggaacat atttggagaa gcctagttgt 180
 atgtaacagt gtggggtttc a 201

<210> 87
 <211> 531
 <212> DNA
 <213> Human

<400> 87
 tatagcgggc gttataaaca taccacttcc cggtacaacg gatttcaagg ttaggggtgc 60
 aacccagaac gaacgcgtta agtgcgcgtt atcttcctag gatagagtcg gtgacggaa 120
 tcttttaccc cggcactcgg gtccaccctc gcggcaccag aggtattctc cggcgagtgc 180
 ttaaccatcg caatcgccga ccgagttaa ggaccactcc ccaccttct cattagttaa 240
 ggagaacgct actttacccc atagacggag aaatcgctac tcaactacca ggcgcgcgcc 300
 gtcgagtcctt tttccctctc tttatgcatt tagagcgtt tcgttaagagt tttccctaga 360
 ttcttctaag ctagcgcgt ctactccat gtttcgtta atccagcccg aactaacgccc 420
 gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaa 480
 aaaacaaaaa gtaccagccc taaaggaaag tcaaaggacg cccgtaaaaa a 531

<210> 88
 <211> 530
 <212> DNA
 <213> Human

<400> 88
 aatctcgatc gcaaacatac ggcactctcc ctcttgccgc ggtttcgtc cagcgctttc 60
 cattcggtcc agtgcctcgc cctattagcc cttaaagccca cggtttctaa aactcccaga 120
 acagccaaac cggtccgccc aaggcctccg tcgtttata atatattccg tttacgtata 180
 aggaacgaac cccccttcat taccacggtc cgcgtccgc ctccctctcc attcgcaaca 240
 gttctattcc tttcagcctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa 300
 gatagcaaag attacccagc ttctattccct cggccccagag cggagtaaat cgaagtttat 360

SEQLST~1.TXT

| | |
|---|-----|
| agaggcggaa tccaccatt caagagttat aacaagttat cggcactcg gggatcagaa | 420 |
| tataaactta atgtcccctt tattctcccg gacgcccctt ttaaccactt cttcctatct | 480 |
| ttcgctaaca agccattgac ggcgcttgc cgcgccggcc catctcgctg | 530 |

<210> 89
<211> 332
<212> DNA
<213> Human

<220>
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<220>
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<222> (47)..(47)
<223> n is a, c, g, or t

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<222> (108)..(108)
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<223> n is a, c, g, or t

<220>
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<222> (168)..(168)
<223> n is a, c, g, or t

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<222> (196)..(196)
<223> n is a, c, g, or t

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<222> (239)..(239)
<223> n is a, c, g, or t

SEQLST~1.TXT

<400> 89
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ttccaccggc ctggtttgg ttttccata attaattaac caggggncc antaaaaaaa 120
aattaaggna agnntaaaaa aatttaacca anggggggtt taaagggnntt tttttttta 180
aaaaaaaaagg ttaaancccc ccctttttt ttgggttggg gtggaaaat tttgggaanc 240
cttaacccccc gggttttgg gttttttgg ccaaaacccc ccggaaaaaa attaaaaaaa 300
ggaccggttt ccatttaat gggtattggg aa 332

<210> 90
<211> 185
<212> DNA
<213> Human

<400> 90
actgctataa tgcaggggaa catgttctca gggtcatcct gaggggttgt gtcatgggc 60
cggtggtaac tattaaaaca taagtttaat cggtatttaa aattttaaaa tcaaaaaaaa 120
taaaatataat gcaaccctcc attccaagga agtatgtatgt tactagatta tctgaaaatt 180
ctcct 185

<210> 91
<211> 365
<212> DNA
<213> Human

<220>
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<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 91
ccagagagcc acaaatttggacc aaaatatttt gagatgaaca tgctcgtaga agtagctga 60
ctaggggtta cttgaaaatg ctagaccagg ataactccta agtgtatatc cttggcagac 120
tcgttatgct ttccaatcct gcttgcata taagacacaa agtcagaata aagctcaaga 180
aaacagaacg tgcaggccat caagcgcaga gcctgctcat tggacaaccg caaagagtag 240
taagtgcgc cgttattcac acttagaaaa ggagaaccac gggaaaaac caaattaatg 300
gggctgcttt ttgtcactct ggcattttttt ggcattttttt aattgtgnng aaanttttaac ttttgtaagc 360

<210> 92
<211> 113
<212> DNA
<213> Human

<220>
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<222> (32)..(32)
<223> n is a, c, g, or t

<220>
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<222> (34)..(34)
<223> n is a, c, g, or t

<400> 92
acttgacctt atggatgatg ctgcggagtg cntngtaagt gtttcatgat attccttaag 60
aagtcaggat agtagtttc attccttaga tggtacaagt gttgagacaa atg 113

<210> 93
<211> 210
<212> DNA
<213> Human

<400> 93
gttttaggga aatttgccag ttttatgttt taatattttt ggaaggaaaa ctgaaaggta 60
atgaaaaatgt tactgttggta ttaaaaaaca aattaagtcc aaatagtgtat taggcaagtt 120
ggtgaggttag ggggttgctg caagagcggaa agttgaaaga tcttggaaaa attaaagaaaa 180
cttcatagaa ccccatctct acacccaaaaaa 210

<210> 94
<211> 506
<212> DNA
<213> Human

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<222> (25)..(25)
<223> n is a, c, g, or t

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<222> (38)..(39)
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<220>

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<220>
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<222> (59)..(59)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (70)..(70)
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<223> n is a, c, g, or t

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<220>
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atgggnaant tttnnnngggg gggggaaaaa ancccnnggg tnanngggg cccngggntt 180
naaannnggn nctngggggg ggaaantttt ggccccccccc cgggggntt ncctnaaaaa 240
aaancnttt naaanacngn nanaatttn ccnnnncggg gaggnnggga nnttttttt 300
tnaannagcc nttttgnma naaaaannnt ggnccccccc ctattccnng gnttttngga 360
ccnttnnanc ntgggnnttt ttagnccctn aaaaaaangc naatnttaag gtaaaaattn 420
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| ntnnanctnc ngntnaacat cacagctnct ccnagcatca ccctgctagn tancnnggg | 180 |
| ttttctctta tntgnngncn naacatctgc nngctctgnt annaanaatt ncataaccgcn | 240 |
| canngtctnt gacgntgtga tgcatacgnt tgggcagagn gancaatang tgngcatatg | 300 |
| cgtgccttac ncaaggatac ggangngctt gaaattgatg ngaccaanan ttnnngtacg | 360 |
| gtaagtnacc caaccacttc tgnnttcact ntaagagnnc | 400 |

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aaatgaaatg aaataatgaa atgaaattga aataaaattg aaatgagatg agatgaaatg      120
atgagatgat gaaataaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa      180
tcatgagatg agatgacatg aaataaaatga aataatgaaa tcgaaatgag atgagaagat      240
acgagatgag atgaaatgat gagatgaaat gatgaaatga gataagatga aaagagttga      300
tgagatgatg agatgaaatg agatgaaaag agatgaaatg agatgaaatg aaatgatgag      360
atgaaatgag gtgaaatgaa attagatgaa acgtaatgag atgaaatgac ataatgaaat      420
gaaaaaaatga aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg      480
atgaaatgaa ataatgaaat ggaaatgaaa tggaaatgat gagatgatg atgagatgaa      540
atgatgagat gagatgtatt gatgagagga aatgatgaga tggaaatgaaa tgagatgaaa      600
tgaatgagat gaaatgaaat antgaaangg aaattgattt gngatttgag atgaaatgag      660
ntaaatgngaa tgaattaaatg atgagatgaa atgntgaaatg ccgggggtgnn tgagatgaaat      720
tgagttgaaac cctgngatga atgaaagattt gntgaaatggt ggntgaaatgt tgaatggntg      780

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SEQLST~1.TXT

gntggnanaa tgcctgtngg

800

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 gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaa 180
 taaaatgaaa tgagattaaa tgatgagatg aaaactgatg aaaacttaaa tgatgaaata 240
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 gaaatgaaat gatgagatga aatgaggtga aatgaaatattt gatgaaacgt aatgagatga 180
 aatgacctaa tgaaatgaaa aatgaaatg aaataatgaa atgaggtgaa attaaatgag 240

SEQLST~1.TXT

| | |
|---|-----|
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| tgaatgatga gatgaaatga tgagatgaga tctaattatg agaggagatg atgagatgaa | 360 |
| ntgagatgaa aagagatgaa atgagatgaa accgaaatga tgagatgaaa tgaggtgaaa | 420 |
| tgaaattaga tgaaacgtaa tgagatgaaa tgacataatg aaatgaaaaa atgaaatgaa | 480 |
| ataatgaaat gaggtgaaat | 500 |

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| | |
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| tcccccttgaa nntctctaaa ccttaacttt ctggccnttt tgtttcagan atgcctaacc | 120 |

SEQLST~1.TXT

| | | |
|---|-----------------------|-----|
| ctcagggggt cttttgttct ctacgcctaa aaacttaatc | tgtttggAAC aattccnTTT | 180 |
| cctctctgtA gaaattgacc tggccatggc tcctgtaat gatacggttG | ctattatccc | 240 |
| tgaacactgt aaaaatgaac tttgaaacag ttgggttagga cccaaacaga aatgatgtA | | 300 |
| tggcttggaa atagtttagc tgaacattat gcttaatAT tttactggcc attgcagcac | | 360 |
| aggTTtagaa atttatgttc ggcttttaa agttta | | 397 |

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| <400> 101 | | |
| gttacctaAT gttttactct catTTTCTT ttCTTTATTt ttcatttGta aaatAGGAAC | | 60 |
| attaattGta ctacttcaa aagaattaaT tgaAGAAAGA gagatacagg gtatCTAGGC | | 120 |
| ngagGAAGAC CC | | 132 |

<210> 102
<211> 246
<212> DNA
<213> Human

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| <400> 102 | | |
| ggggcTTTA gttataactg ggctaaGcat aattgcGcta ccaattccat attatctcat | | 60 |
| ggcacttaAT tttataattg atatataaa taaaaattc aatgcagata ttGatataat | | 120 |
| aaaaatAGAT aatggtaATC caagcacGAT ggtAGCCATC actctaattG ctttgggTT | | 180 |
| aacctataAC ttattaAGTA aagtGCCAGA atggTTCTT gacagtatta aaattaaAGA | | 240 |
| aaacAG | | 246 |

<210> 103
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<213> Artificial Sequence

<220>
<223> forward primer of exon 1 of insulin gene used for quantitative RT-PCR analysis

<220>
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<400> 103
gccctctggg gacctgac

SEQLST~1.TXT

<210> 104
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<210> 105
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<220>
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<210> 106
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<220>
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<400> 106
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<210> 107
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<212> DNA
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<220>
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SEQLST~1.TXT

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<222> (1)..(20)

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<210> 108
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<210> 110
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SEQLST~1.TXT

<212> DNA

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21

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22